

Re: UC - EPA vermiculite data request - response 11122010

Bob Benson to: Eric Borton

11/15/2010 01:43 PM

From: Bob Benson/R8/USEPA/US
To: Eric Borton <eric.borton@uc.edu>
Cc: brattin@srcinc.com, "Hilbert, Timothy (hilbertj)" <HILBERTJ@UCMAIL.UC.EDU>

It turns out that we also need the CHEEC calculation as of the date of x-ray in 1980. We suggest using the CHEEC as of 05/31/1980 to match the seasonal work schedule.

You can either do the full 513 or re-do only those with asbestos other = 0 and job-stop >06/01/1980. Your choice. My count shows the later to be n = 271.

I hope this will be our final request for data. We are getting close to an exposure-response model that we think will work.

We noted there were two workers (#10395 and #14061) who were not hired until 06/01/1980, but were included in the 513, so we modified the x-ray date to 06/01/1980. Please check the records for the hire dates for these two.

We also noted two discrepancies when comparing the health endpoint in 1980 versus 2004. See list below.
#17352 diffuse in 1980; no radiographic change in 2004
#17847 discrete in 1980, no radiographic change in 2004

Please check whether there is a data entry error or a difference in diagnosis by the readers.

When we were talking with NCEA last week a question came up about the quality of the films and x-ray equipment in 2004 versus 1980. This is a question for Jim:

Were there improvements made between 1980 and 2004 that would have a substantial effect on the reliability of the diagnosis in 1980?